CIVIL-TECH CONSULTANTS AND ENGINEERS

An ISO 9001:2008 Certified Company

(Building, Geo-Tech & High way Material Testing Research Laboratory)

Engineering Project Consultants

JAS-ANZ

BSCIC

ISO 9001 REGISTERED

ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Type of Road Surface	Minimum Number of Tests as per IRC norms	Number of Test done during execution	Percentage of Tests carried out as per IRC norms
I	II	III	IV
WMM	3	3	100%
BM	8	8	100%
BC	9	9	100%
CIVIL WORKS	14	14	100%
TOTAL	**34**	**34**	**100%**

Civil-Tech Consultants & Engineers Bangalore

M/s. Civil-Tech Consultants & Engineers

Pooja K.L

Authorised Signatory

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79. Tele fax : 23223227, Cell : 93428 39190

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ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	WMM		
		Total Quntity executed **60.40 cum**		
For WMM Works		Minimum tests Required as per IRC norms	Actually test done during execution	Percentage of test carried as per IRC Norms
Gradation	1test per 200 cu. Mt. of aggregate	1	1	100%
Aggregate Impact Value	1 test per 1000 cu. Mt. of aggregate	1	1	100%
Flakiness and Elongation Index	1 test per 500 cu. Mt. of aggregate	1	1	100%
Total		3	3	100%

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0.075	325	4830	96.60	3.40	0-5

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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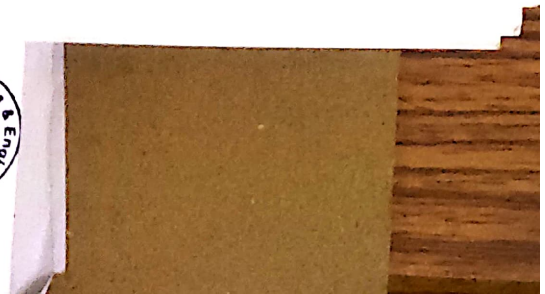

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ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	BM Total Quantity Executed : **5.25 Cu. Mt.**		
For Asphalting Works		Minimum tests Required as per IRC norms	Percentage of test	
			Actually test done during execution	carried as per IRC Norms
Quantity Binder	1 samples per lot	1	1	100%
Aggregates impact value	1 test per 350 Cu. Mt. of aggregate	1	1	100%
Flakiness and Elongation index	1 test per 350 Cu. Mt. of aggregate	1	1	100%
Binder Temperature for application	At regular intervals	Record Maintained		
Rate of spread of binder	2 tests per day	-	-	-
Stripping value (For each source of supply)	3 Specimens	1	1	100%
Water obsorption of Aggregates (For each source of supply	3 Specimens	1	1	100%
Binder Content	2 samples per day	1d x 2 t	1 d x 2 t	100%

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Test as per IRC Norms	Frequency of test as per IRC Norms	BM Total Quantity Executed : **5.25 Cu. Mt.**		
For Asphalting Works		Minimum tests Required as per IRC norms	Percentage of test	
			Actually test done during execution	carried as per IRC Norms
Temp. at the time of Mix @ laying & rolling	At regualr intervals	Record Maintained		
Grading of Aggregates (SC, SD, OGPS & CGPS)	1 test per 25 Cu. Mt. of aggregate	-	-	-
Grading of Aggregates for (BM/BC/SDBC/DBM (from dryer)	2 test per each working day	1 d x 2 t	1 d x 2 t	100%
Mix grading	2 tests per each working day	1 d x 2 t	1 d x 2 t	100%

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ABSTRACT OF FREQUENCY OF TESTS CARRIED OUT

Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	BC Total quantity executed : **45.60 Cu. Mt.**		
For Asphalting Works		Minimum tests Required as per IRC norms	Percentage of test	
			Actually test done during execution	carried as per IRC Norms
Quantity Binder	1 samples per lot	1	1	100%
Aggregates impact value	1 test per 350 Cu. Mt. of aggregate	1	1	100%
Flakiness and Elongation index	1 test pe 350 Cu. Mt. of aggregate	1	1	100%
Binder Temperature for application	At regular intervals	Record Maintained		
Rate of spread of binder	2 tests per day	-	-	-
Stripping value (For each source of supply)	3 Specimens	1	1	100%
Water obsorption of Aggregates For each source of supply	3 Specimens	1	1	100%
Binder Content	2 samples per day	1d x 2 t	1 d x 2 t	100%

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Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	BC Total quantity executed : **45.60 Cu. Mt.**		
For Asphalting Works		Minimum tests Required as per IRC norms	Percentage of test	
			Actually test done during execution	carried as per IRC Norms
Temp. at the time of Mix @ laying & rolling	At regualr intervals	Record Maintained		
Grading of Aggregates (SC, SD, OGPS & CGPS)	1 test per 25 Cu. Mt. of aggregate	-	-	-
Grading of Aggregates for (BM/BC/SDBC/DBM (from dryer)	2 test per each working day	1 d x 2 t	1 d x 2 t	100%
Mix grading	2 tests per each working day	1 d x 2 t	1 d x 2 t	100%
Stability of mix	2 tests per each working day	1 d x 2 t	1 d x 2 t	100%

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Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Test as per IRC Norms	Frequency of test as per IRC Norms	BM Total Quantity Executed : **5.25 Cu. Mt.**			BC Total quantity executed : **45.60 Cu. Mt.**		
For Asphalting Works		Minimum tests Required as per IRC norms	Percentage of test		Minimum tests Required as per IRC norms	Percentage of test	
			Actually test done during execution	carried as per IRC Norms		Actually test done during execution	carried as per IRC Norms
Total		8	8	100%	9	9	100%

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Sincerely

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Name of Work : Improvements to Concrete Roads at Ravindra Nagar in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.

Description	Quantity	Unit	Total Number of test to be carried out as per IRC	Actual Number of Test to be conducted	% Completed
I	II	III	IV	V	IV
1) PCC 1:3:6 a)Cement b)M-sand c)40mm Aggregate d)20mm Aggregate	156.0	Cum	4	4	100%
2) M30 Cube	195.0	Cum	10	10	100%
TOTAL			**14**	**14**	**100%**

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